

Recent IBM Patents

United States

3,875,447	B. Kazan	High Writing Speed Dark-Trace Tube with Flood Beam
3,879,839	J. C. Logue	Method of Manufacturing Multi-Function LSI Wafers
3,879,840	I. Ames, F. M. d'Heurle and R. E. Horstmann	Copper Doped Aluminum Conductive Stripes and Method Therefor
3,880,178	H. A. Panissidi	Hydraulic Logic Circuit with Controlled Delay
3,880,294	P. J. Arseneault	Article Exchanging Grapples
3,880,524	F. H. Dill and P. S. Hauge	Automatic Ellipsometer
3,881,037	J. Grandia, R. M. Potemski and J. M. Woodall	Isothermal Solution Mixing Growth of Solids
3,881,072	F. E. Becker	Audible Indexing for Dictation Apparatus
3,881,113	V. L. Rideout and J. M. Woodall	Integrated Optically Coupled Light Emitter and Sensor
3,881,115	R. T. Hodgson, J. R. Lankard and P. P. Sorokin	Multiple Quantum Laser
3,881,184	R. W. Koepcke and A. M. Patlach	Adaptive Digital Servo System
3,881,190	G. W. Brock, F. B. Shelledy, S. H. Smith and A. B. Wills	Shielded Magnetoresistive Magnetic Transducer and Method of Manufacture Thereof
3,881,191	R. I. Potter and M. W. Warner	Three-Gap Magnetic Recording Head Having a Single Flux Sensing Means
3,881,605	D. D. Grossman	Object Orienting Device to Assist Robot Manipulator
3,881,884	H. C. Cook, P. A. Farrar and R. L. Hallen	Method for the Formation of Corrosion Resistant Electronic Interconnections
3,881,971	S. E. Greer, R. H. Schnitzel and D. P. Waldman	Method for Fabricating Aluminum Interconnection Metallurgy System for Silicon Devices
3,882,039	G. J. Sprokel	Additive for Liquid Crystal Materials
3,882,301	E. G. Nassimbene	Retrospective Pulse Modulation Including Bar Coding and Apparatus Therefor
3,882,325	F. E. Sakalay	Multi-Chip Latching Circuit for Avoiding Input-Output Pin Limitations
3,882,326	R. H. Kruggel	Differential Amplifier for Sensing Small Signals
3,882,355	D. DeWitt	Flat Screen Display Device Using Controlled Cold Cathodes
3,882,358	S. Deskevich, J. C. Peacock, R. F. Tynan and A. D. Wilson	Anti-Holdover Charging Circuit For Flash Lamp
3,882,360	E. R. William, Jr.	Crosstalk Suppressor for Magnetic Deflection Yokes
3,882,391	R. E. Liles and G. D. O'Rourke	Testing the Stability of MOSFET Devices
3,882,467	W. D. Pricer	Complementary Field Effect Transistor Memory Cell
3,882,473	H. G. Hoehmann	Magnetic Disk Storage File
3,882,532	H. F. Quinn	Externally Accessing Mechanically Difficult to Access Circuit Nodes in Integrated Circuits
3,882,540	H. H. Ottesen	Readback Circuits for Digital Signal Recorders
3,882,541	S. Ghose and P. A. Gilovich	Rotating Memory Accessing Mechanism
3,883,728	A. A. Schwartz and J. R. Stewart	Digital Vector Generator
3,883,802	Y. K. Puri	Process for Stress Testing FET Gates Without the Use of Test Patterns
3,883,854	G. R. Heinberg, D. S. Jones and T. R. Wright	Interleaved Memory Control Signal and Data Handling Apparatus Using Pipelining Techniques
3,884,010	G. B. Bardo and L. J. Zalepa	Apparatus and Method for Opening and Emptying Envelopes of Various Thicknesses
3,884,572	J. L. Bacon and H. W. Simpson	Cleaning Apparatus
3,884,732	U. G. Baitinger and K. K. Najmann	Monolithic Storage Array and Method of Making
3,885,132	R. W. Luoma	Document Card Reader
3,885,435	S. J. Cascio	Method and Device for Detecting Presence or Absence of a Fluid
3,885,662	J. O. Schaefer	Steerable Follower Selection Mechanism
3,885,871	M. J. Galatha and R. F. Tynan	Document Photography System
3,885,872	J. J. Howe, Jr. and J. C. Yarrington	Digital Proximity Sensing System
3,885,877	R. S. Horwath and G. A. Kolb	Electro-Optical Fine Alignment Process

3,886,000	R. L. Bratter and A. K. Gaiind	Method for Controlling Dielectric Isolation of a Semiconductor Device
3,886,025	J. Riseman	Ferrite Head
3,886,325	R. L. Dorr, G. N. Gaebelein, D. J. Kostuch and M. E. Varner	Formatting for Record-Controlled Machines
3,886,343	P. M. Desautels and L. P. Remsen	Polyphase Arc Stripper
3,886,382	R. G. Cain	Balanced Superconductive Transmission Line Using Josephson Tunnelling Devices
3,886,421	J. K. Hassan, C. V. Rabstojnek and A. D. Wutka	Precision Tool and Workpiece Positioning Apparatus with Ringout Detection
3,886,468	R. H. Kruggel	High Gain Amplifier
3,886,525	P. J. Brown and R. M. Smith	Shared Data Controlled by a Plurality of Users
3,886,564	H. E. Naylor III and R. A. Williams	Deflection Sensors for Ink Jet Printers
3,886,569	J. S. Basi and J. S. Sandhu	Simultaneous Double Diffusion into a Semiconductor Substrate
3,887,055	B. G. Pastrick	Card Holder
3,887,106	P. M. Charlson, C. D. Green, W. J. Harris and K. E. Inman	Ticket Cartridge and Hopper and Stacker Therefor
3,887,261	E. A. Spiller	Low-Loss Reflection Coatings Using Absorbing Materials
3,887,362	M. Ronay	Nitridable Steels for Cold Flow Processes
3,887,366	R. B. Champ and M. D. Shattuck	Cyanine Pigments in Electrophotographic Processes
3,887,451	J. J. Cuomo, A. F. Mayadas, R. Rosenberg and V. Sadagopan	Method for Sputtering Garnet Compound Layer
3,887,726	R. L. Bratter and A. K. Gaiind	Method of Chemical Vapor Deposition to Provide Silicon Dioxide Films with Reduced Surface State Charge on Semiconductor Substrates
3,887,944	C. H. Bajorek and D. A. Thompson	Method for Eliminating Part of Magnetic Crosstalk in Magnetoresistive Sensors
3,887,945	D. A. Nepela and R. I. Potter	Head Assembly for Recording and Reading, Employing Inductive and Magnetoresistive Elements
3,887,994	S. Ku and C. A. Pillus	Method of Manufacturing a Semiconductor Device
3,889,169	J. A. Hirschman and H. E. Van Winkle	Position and Velocity Servo Control for Motor Controlled Article Carrier and Handler
3,889,188	D. C. Trindade	Time Zero Determination of FET Reliability
3,889,241	V. A. Cordi and C. S. Gurski	Shift Register Buffer Apparatus
3,889,243	E. G. Drimak	Stack Mechanism for a Data Processor
3,889,355	J. Aronstein and W. E. Harding	Continuous Processing System
3,889,632	R. H. Brunner and W. C. Lester	Variable Incidence Drive for Deposition Tooling
3,890,418	T. A. Raczek	Skinning Process for Expansion Casting of Polymeric Foams
3,890,455	D. F. Ballas, S. Ku and J. C. Marinace	Method of Electrolessly Plating Alloys
3,890,460	L. C. Haas and L. P. West	Communications Enabling Method and Apparatus
3,890,472	D. E. Fisk and M. E. Homan	Transparent Time-Division Pulse-Multiplex Digital Electric Signal Switching Circuit Arrangement
3,890,572	A. E. Desblanche and J. M. Pierret	Method and Apparatus for Equalizing Phase-Modulated Signals
3,890,603	J. W. Jones, J. F. Sears and K. G. Taylor	Associative Store
3,891,864	P. L. Gueret	Josephson Junction Logic Element
3,892,304	I. D. Shakib	Single Print Element Print Carrier with Self-Contained Selection Function
3,892,606	R. E. Chappelow, D. A. Doney, J. Doulin, P. T. Lin and F. A. Schiavone	Method for Forming Silicon Conductive Layers Utilizing Differential Etching Rates
3,892,646	D. J. Lazzarini and L. K. Schultz	Process for Selectively Forming Electrophoretic Coatings on Electrical Contacts
3,892,650	J. J. Cuomo and W. W. Molzen, Jr.	Chemical Sputtering Purification Process
3,892,925	D. E. Fisk, M. E. Homan, C. L. Meiley, Z. D. Reynolds, J. V. Watkins and F. S. Wiedmer	Electric Signal Exchange Switching Arrangement
3,892,953	H. Nussbaumer	Digital Filter
3,892,979	R. T. Hodgson, J. R. Lankard, P. P. Sorokin and J. J. Wynne	Tunable Infrared/Ultraviolet Laser
3,892,998	F. Tsui and K. Tsui	Gas Discharge Device for Multicolor Information Display
3,893,044	W. P. Dumke and J. M. Woodall	Laser Device Having Enclosed Laser Cavity
3,893,070	D. C. Bossen, V. A. Cordi, M. Y. Hsiao, B. N. Shiffrin and E. W. Glick	Error Correction and Detection Circuit with Modular Coding Unit
3,893,071	D. C. Bossen, M. Y. Hsiao and A. M. Patel	Multi Level Error Correction System for High Density Memory
3,893,080	A. P. Ho and H. T. Lee	Minutiae Recognition System
3,893,085	A. A. Hansen	Read Mostly Memory Cell Having Bipolar and FAMOS Transistor

3,893,089	G. S. Almasi and G. E. Keefe	Two-Phase Propagation of Cylindrical Magnetic Domains
3,893,156	J. Riseman	Novel Beam Lead Integrated Circuit Structure and Method for Making the Same Including Automatic Registration of Beam Leads with Corresponding Dielectric Substrate Leads
3,893,171	J. W. Marshall, E. G. McDonal, Jr. and P. B. Roath	Signal Adjustment Circuit
3,893,176	D. W. Jones	Means and Method of Tape Guide Control with Tape Skew and Lateral Displacement Corrections in a Rotary Head Drum
3,893,232	A. T. M. Fletcher and R. J. Godsoe	Electronic Component Assembly Apparatus
3,893,561	J. G. Gibbons and R. M. Marowski	Half Backspace for Dual Pitch Typewriter
3,893,623	R. A. Toupin	Fluid Jet Deflection by Modulation and Coanda Selection
3,894,271	H. C. Pfeiffer and O. C. Woodard	Method and Apparatus for Aligning Electron Beams
3,894,514	A. H. Caudill, R. J. Hoekzema and C. C. Wilson	Toner Recovery System
3,894,891	I. E. Magdo and S. Magdo	Method for Making a Space Charge Limited Transistor Having Recessed Dielectric Isolation
3,894,970	G. M. Adams, J. I. Crowley and K. H. Larson	Method of Preparing High Temperature Stable Gamma Iron Oxide
3,895,147	K. Y. Ahn and F. P. Laming	Fabrication Mask Using Divalent Rare Earth Element
3,895,237	J. D. Harr	Peak Detector
3,895,373	M. J. Freiser and D. T. Teaney	Method and Apparatus for Selectively Exciting a Matrix of Voltage Responsive Devices
3,895,388	V. W. T. Townsend	Adaptive Illuminator
3,896,482	G. E. Brechling and J. J. Montren	Dynamic MOSFET Layout Technique
3,897,148	R. T. Ritchie and J. C. Rogers	Optical Scanning System
3,897,626	W. F. Beausoleil	Method of Manufacturing a Full Capacity Monolithic Memory Utilizing Defective Storage Cells
3,897,865	D. P. Darwin, B. M. Griffing and H. S. Kiel	Dot Printing Apparatus
3,898,084	R. B. Champ and M. D. Shattuck	Electrophotographic Processes Using Diazo Pigments
3,898,350	E. Gipstein and W. A. Hewett	Terpolymers for Electron Beam Positive Resists
3,898,351	R. E. Kennison and W. J. Stetson	Substrate Cleaning Process
3,898,432	M. C. Agnew, J. E. Savage, Jr. and T. O. Turner	Read/Write Machine for Magnetic Stripped Document Card
3,898,444	V. A. Cordi and C. S. Gurski	Binary Counter with Error Detection and Transient Error Correction
3,898,569	J. K. Radcliffe	Transmission Line Current Transformer
3,898,585	P. F. Heidrich and P. S. Zory, Jr.	Leaky Corrugated Optical Waveguide Device
3,898,623	R. L. Cormier	Suspension and Restart of Input/Output Operations
3,898,627	R. W. Hooker and R. R. Schomburg	Optical Printer Having Serializing Buffer for Use with Variable Length Binary Words
3,898,630	A. A. Hansen and R. D. Lane	High Voltage Integrated Driver Circuit
3,898,635	R. W. Kulterman	Position Measuring Transformer
3,898,673	J. W. Haskell	Phase Control for Ink Jet Printer